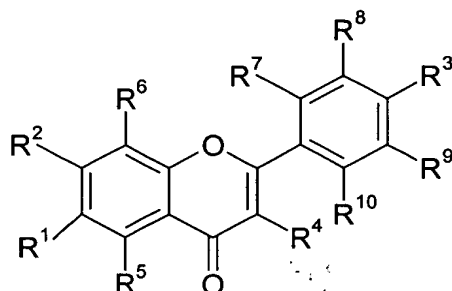


Patent Claims

1. A method for achieving a light or UV screening effect on the skin of a patient, comprising applying to the skin a compound of formula I



where R¹ and R² are

- H or
- OR¹¹, where each OR¹¹ is independently
 - OH,
 - straight-chain or branched C₁- to C₂₀-alkoxy,
 - straight-chain or branched C₃- to C₂₀-alkenyloxy,
 - straight-chain or branched C₁- to C₂₀-hydroxyalkoxy, where one or more hydroxyl groups is bonded to a primary or secondary carbon atom and alkyl chains of said hydroxyalkoxy moiety optionally being interrupted by oxygen, or
 - a C₃- to C₁₀-cycloalkoxy group or C₃- to C₁₂-cycloalkenyloxy group, having rings optionally bridged by -(CH₂)_n- groups, where n = 1 to 3, or
 - mono- and/or oligoglycosyl,

with the proviso that at least one of R¹ or R² is OR¹¹,

- R³ is OR¹¹, and
- R⁴ to R⁷ and R¹⁰ are each independently,
 - H,
 - straight-chain or branched C₁- to C₂₀-alkyl,
 - straight-chain or branched C₃- to C₂₀-alkenyl,
 - straight-chain or branched C₁- to C₂₀-hydroxyalkyl, where the hydroxyl group is bonded to a primary or secondary carbon atom

and alkyl chains of said hydroalkyl moieties optionally being interrupted by oxygen, or

- C₃- to C₁₀-cycloalkyl groups or C₃- to C₁₂-cycloalkenyl groups, having rings optionally bridged by -(CH₂)_n- groups, where n = 1 to 3, and

R⁸ and R⁹ are each independently

- H,
- OR¹¹,
- straight-chain or branched C₁- to C₂₀-alkyl,
- straight-chain or branched C₃- to C₂₀-alkenyl,
- straight-chain or branched C₁- to C₂₀-hydroxyalkyl, where the hydroxyl group is bonded to a primary or secondary carbon atom and alkyl chains of said hydroxyalkyl moieties optionally being interrupted by oxygen, or
- C₃- to C₁₀-cycloalkyl or C₃- to C₁₂-cycloalkenyl, having rings optionally bridged by -(CH₂)_n- groups, where n = 1 to 3.

2. A method according to Claim 1 wherein R⁴ to R⁷ and R¹⁰ are H.

3. A method according to claim 1 wherein R³ is

- OH or
- straight-chain or branched C₁- to C₂₀-alkoxy, or
- mono- and/or oligoglycosyl, and

R¹ or R² are

- OH,
- straight-chain or branched C₁- to C₂₀-alkoxy or
- mono- and/or oligoglycosyl.

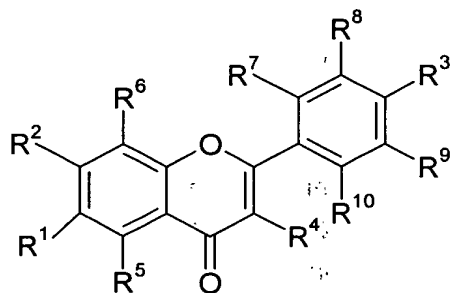
4. A method according to claim 1, wherein R³ is methoxy, ethoxy or ethylhexyloxy.

5. A method according to claim 1, wherein R¹ or R² is methoxy, ethoxy or ethylhexyloxy.

6. A method according to claim 1, wherein R¹ or R² is glucosyl.

7. A method according to claim 1, wherein compound according to claim 1 wherein R^3 is a straight-chain or branched C_1 - to C_{20} -alkoxy group, and R^8 and R^9 are identical and are H or straight-chain or branched C_1 - to C_{20} -alkoxy.
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8. A method according to claim 7, wherein R^3 is methoxy, ethoxy or ethylhexyloxy.
9. A method according to claim 7, wherein R^8 and R^9 is methoxy, ethoxy or ethylhexyloxy.
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10. A method according to claim 8, wherein R^8 and R^9 is methoxy, ethoxy or ethylhexyloxy.
11. A method according to claim 1, wherein at least one of R^1 to R^3 is OH, and at least one of R^1 and R^2 is OH.
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12. A method according to claim 1, wherein the compound of formula I is applied in the form of a pharmaceutical composition.
13. A method according to claim 12, wherein the pharmaceutical composition is in encapsulated form.
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14. A method according to claim 12, wherein the pharmaceutical composition further comprises an additional UV filter.
15. A method according to claim 14, wherein the additional UV filter is 3-(4'-methylbenzylidene)-dl-camphor, 1-(4-tert-butylphenyl)-3-(4-methoxy-phenyl)propane-1, 3-dione, 4-isopropylidibenzoylmethane, 2-hydroxy-4-methoxybenzophenone, octyl methoxycinnamate, 3,3,5-trimethyl-cyclohexyl salicylate, 2-ethylhexyl 4-(dimethylamino)benzoate, 2-ethylhexyl 2-cyano-3,3-diphenylacrylate, or 2-phenylbenzimidazole-5-sulfonic acid or a potassium, sodium or triethanolamine salt thereof.
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16. A method according to claim 12, wherein the pharmaceutical composition further comprises at least one antioxidant.
17. A method according to claim 12, wherein the pharmaceutical composition comprises a cosmetically or dermatologically suitable excipient.
18. A method according to claim 1, wherein the compound of the formula I is prepared by reacting a 2-hydroxyacetophenone compound with a lithium compound and subsequently a keto compound.
19. A method of stabilizing a UV filter comprising adding thereto a compound of formula I



where R¹ and R² are

- H or
- OR¹¹, where each OR¹¹ is independently
 - OH,
 - straight-chain or branched C₁- to C₂₀-alkoxy,
 - straight-chain or branched C₃- to C₂₀-alkenyloxy,
 - straight-chain or branched C₁- to C₂₀-hydroxyalkoxy, where one or more hydroxyl groups is bonded to a primary or secondary carbon atom and alkyl chains of said hydroxyalkoxy moiety optionally being interrupted by oxygen, or
 - a C₃- to C₁₀-cycloalkoxy group or C₃- to C₁₂-cycloalkenyloxy group, having rings optionally bridged by -(CH₂)_n- groups, where n = 1 to 3, or

- mono- and/or oligoglycosyl,
with the proviso that at least one of R^1 or R^2 is OR^{11} ,

- R^3 is OR^{11} , and

R^4 to R^7 and R^{10} are each independently,

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- H,
- straight-chain or branched C_1 - to C_{20} -alkyl,
- straight-chain or branched C_3 - to C_{20} -alkenyl,
- straight-chain or branched C_1 - to C_{20} -hydroxyalkyl, where the hydroxyl group is bonded to a primary or secondary carbon atom and alkyl chains of said hydroalkyl moieties optionally being interrupted by oxygen, or
- C_3 - to C_{10} -cycloalkyl groups or C_3 - to C_{12} -cycloalkenyl groups, having rings optionally bridged by $-(CH_2)_n$ - groups, where $n = 1$ to 3, and

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R^8 and R^9 are each independently

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- H,
- OR^{11} ,
- straight-chain or branched C_1 - to C_{20} -alkyl,
- straight-chain or branched C_3 - to C_{20} -alkenyl,
- straight-chain or branched C_1 - to C_{20} -hydroxyalkyl, where the hydroxyl group is bonded to a primary or secondary carbon atom and alkyl chains of said hydroxyalkyl moieties optionally being interrupted by oxygen, or
- C_3 - to C_{10} -cycloalkyl or C_3 - to C_{12} -cycloalkenyl, having rings optionally bridged by $-(CH_2)_n$ - groups, where $n = 1$ to 3.

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